

CLAIMS

5b
04
1. Gear (1), particularly for a robot, having a drive shaft (7) and at least two parts (3, 4) rotatable relative to the latter and to one another, in which a movement of one part (3, 4) is removable on its side (3b, 4b) remote from the other part (4, 3), characterized in that at least one of the rotary parts (3) has a shaft (15) connected in non-rotary manner thereto and which projects at least to the other part (4, 3).

2. Gear according to claim 1, characterized in that the shaft (1) located on one part (3, 4) traverses the other part (4, 3) to its side (4b, 3b) remote from the one part (3, 4).

3. Gear according to claim 1, characterized in that the shaft (15) located on the one part (3, 4) is the drive of the sensor device (10) located in and/or on the other part (4, 3).

4. Gear according to claim 3, characterized in that the sensor device (10) is a monitoring device for determining and/or limiting the rotation parameters.

5. Gear according to claim 3, characterized in that the sensor device (10) has a stub shaft (12) guided in a receptacle (13) and determines the rotation angle between stub shaft (12) and receptacle (13).

6. Robot according to claim 5, characterized in that the receptacle (13) of the sensor device (10) is located on one part (3, 4) and the stub shaft (12) is connected in non-rotary manner to the shaft (15) located on the other part (4, 3).

7. Robot according to claim 3, characterized in that an optical sensor device (10) is provided.

8. Robot according to claim 3, characterized in that a magnetic sensor device (10), particularly a resolver is provided.

9. Robot according to claim 3, characterized in that an electrical or electromagnetic sensor device (10) is provided.

10. Robot according to claim 3, characterized in that a torque compensator connected to the sensor device (10) is provided for the robot rotation axis (2).

11. Gear according to claim 1, characterized in that the shaft (15) located on one part (3, 4) is subject to a torque.

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